

# Postgraduate Certificate Innovation in Pediatric Gastrohepatology





## Postgraduate Certificate

### Innovation in Pediatric Gastrohepatology

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/in/medicine/postgraduate-certificate/innovation-pediatric-gastrohepatology](http://www.techtute.com/in/medicine/postgraduate-certificate/innovation-pediatric-gastrohepatology)

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01

# Introduction

The subspecialty of Pediatric Gastroenterology, Hepatology and Nutrition, both for the broad field covered and for the incidence and prevalence of the pathologies included in its body of knowledge, is one of the most demanded by the population, as well as being one of the ones that most develops year after year.



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*Improve your knowledge through this program, where you will find the best didactic material with real clinical cases. Learn here about the latest advances in the specialty to be able to perform a quality medical practice"*



Given the growing number of publications that are published daily at the international level in the field of study of the specialty, it is difficult to keep up to date in an adequate manner.

The objective of this program is to fill the gap in the market for up-to-date training courses demanded by professionals interested in the field, seeking to make it useful in routine clinical practice and to encourage high-level research in the aspects covered.

Pharmacological advances, advances in diagnostic and monitoring technology, as well as the special development of techniques applied to the specialty, have all led to great transformations that imply the need for up-to-date training at all levels.

Pediatric gastroenterologists, as a central figure in permanent contact with the patient, are the key figure on whom to focus this necessary up-to-date training that will allow them to obtain a better perspective of each individual patient.

With this program, both the pediatrician with special interest in the area and the subspecialist in charge of its development, have the opportunity to complement their knowledge with a detailed and up to date review of the most relevant technological and conceptual advances in the field.

This **Postgraduate Certificate in Innovation in Pediatric Gastrohepatology** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Clinical cases presented by experts in gastrohepatology.
- ♦ The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice.
- ♦ Latest scientific- technical developments in Innovation in Pediatric Gastrohepatology.
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ♦ Special emphasis on test-based medicine and research methodologies in gastrohepatology.
- ♦ All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- ♦ Content that is accessible from any fixed or portable device with an Internet connection.



*Update your knowledge through the Postgraduate Certificate in Innovation in Pediatric Gastrohepatology, in a practical way and adapted to your needs”*

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*This Postgraduate Certificate may be the best investment you can make when choosing a refresher program, for two reasons: in addition to updating your knowledge in Innovation in Pediatric Gastrohepatology, you will obtain a qualification from TECH University of Technology"*

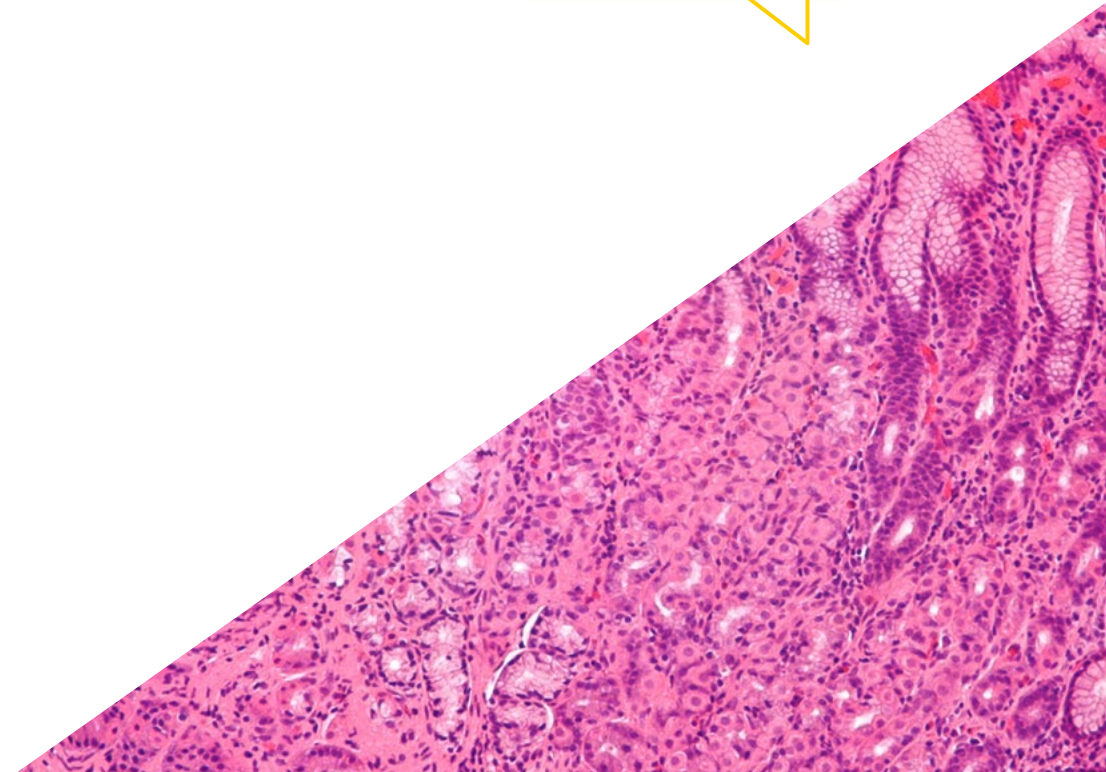
Forming part of the teaching staff is a group of professionals in the world of gastrohepatology, who bring to this course their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

The multimedia content developed with the latest educational technology will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive training program to train in real situations.

This program is designed around Problem Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of gastrohepatology with extensive teaching experience.

*The Postgraduate Certificate allows training in simulated environments, which provide immersive learning programmed to train in real situations*

*It includes clinical cases to bring the program's content as close as possible to the reality of patient care*



02

# Objectives

The program's primary objective is focused on theoretical and practical learning, so that the doctor is able to master Innovation in Pediatric Gastrohepatology in both a practical and rigorous manner.





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*This program will provide you with the skills to carry out your medical praxis with confidence and will help you to grow both personally and professionally”*



## General Objectives

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- Update the knowledge of the pediatrician with special preparation and interest in the field of pediatric gastroenterology.
- Promote work strategies based on a comprehensive approach to the patient as a standard model for achieving excellent care.
- Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific training.
- Encourage professional stimulation through continued education and research.



*Make the most of the opportunity and take the step to get up to date on the latest developments in Pediatric Gastrohepatology”*





## Specific Objectives

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- ◆ Delve into the knowledge of chronobiology applied to the digestive system, its practical applications and future challenges
- ◆ Expand knowledge on the applications of epigenetics in pediatric gastroenterology
- ◆ Describe the methods of study of the intestinal microbiota and their applications, as well as to deepen knowledge of probiotic therapy
- ◆ Deepen understanding of the molecular, genetic and microbiological aspects of obesity, its current problems and the implication of gastroenterology in its approach
- ◆ Explain current technological advances in diagnostic instrumentation with a special focus on new endoscopic technologies
- ◆ Deepen understanding of the applications of Telemedicine for education and monitoring of patients with digestive pathology, with special emphasis on wearable devices
- ◆ Explain the different social networks and their potential usefulness in the field of Pediatric Gastroenterology

03

# Course Management

This program includes highly regarded health professionals in the field of gastroenterology in its teaching staff, who bring the experience of their work to this training.

In addition, renowned specialists, members of prestigious national and international scientific communities, are involved in designing and preparing the program.







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*Learn about the latest advances in  
Innovation in Pediatric Gastrohepatology  
from leading professionals”*



## Management



### Dr. Negre Policarpo, Sergio

- ♦ Degree in Medicine and Surgery
- ♦ PhD in Medicine and Surgery from the University of Valencia
- ♦ MIR Specialist in Pediatrics and its specific areas at the La Fe University Hospital, Valencia. End of Residence Award
- ♦ Head of the Pediatric Gastroenterology and Nutrition Section, Quirónsalud Valencia Hospital Spain
- ♦ Associate Professor, San Vicente Mártir Catholic University of Valencia
- ♦ Director of doctoral theses and Master's Degree theses
- ♦ University Expert in Organization and Management of Teaching in Health Institutions and Services
- ♦ Expert in Teaching and Digital Skills in Health Sciences
- ♦ Member of the Spanish Society of Pediatric Gastroenterology, Hepatology, and Nutrition
- ♦ Member of the European Society of Pediatric Gastroenterology, Hepatology and Nutrition
- ♦ Member of the Spanish Association of Pediatrics
- ♦ Member of the Valencian Pediatrics Society
- ♦ Head of the Medical R&D Department of Wearables Inteligentes SL



## Professors

### **Dr. Blesa Baviera, Luis**

- ◆ Degree in Medicine and Surgery
- ◆ Pediatrician C.S Serrería II, Valencia, Spain

### **Dr. González de Caldas Marchal, Rafael**

- ◆ Infant Liver Transplant Program in the Andalusian Health System, Spain

### **Dr. Pereda López, Antonio**

- ◆ Degree in Medicine and Surgery
- ◆ Specialist in Pediatric Gastroenterology, La Fe Polytechnic and University Hospital, Valencia, Spain

### **Dr. Rodríguez Herrera, Alfonso**

- ◆ Degree in Medicine and Surgery
- ◆ Specialist in Pediatric Gastroenterology, Hispalense Institute of Pediatrics, Pablo de Olavide University, Seville, Spain

### **Dr. Quiles Catalá, Amparo**

- ◆ Degree in Medicine and Surgery
- ◆ Specialist in Pediatric Gastroenterology, Quirónsalud Valencia Quirónsalud Hospital, Spain

### **Dr. Ynga Durand, Mario Alberto**

- ◆ Medical specialist in Allergology and Clinical Immunology
- ◆ Pediatrics Specialist, National Polytechnic Institute
- ◆ Professor of the National Program for the Prevention of Chronic Degenerative Diseases

# 04

# Structure and Content

The structure of the contents has been designed by a team of professionals who recognise the implications of training in daily praxis the field of Innovation in Pediatric Gastrohepatology, aware of the relevance of current training to treat patients with gastrohepatological pathologies and who are committed to quality teaching using new educational technologies.





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*This Postgraduate Certificate in Innovation in Pediatric Gastrohepatology contains the most complete and up-to-date scientific program on the market”*

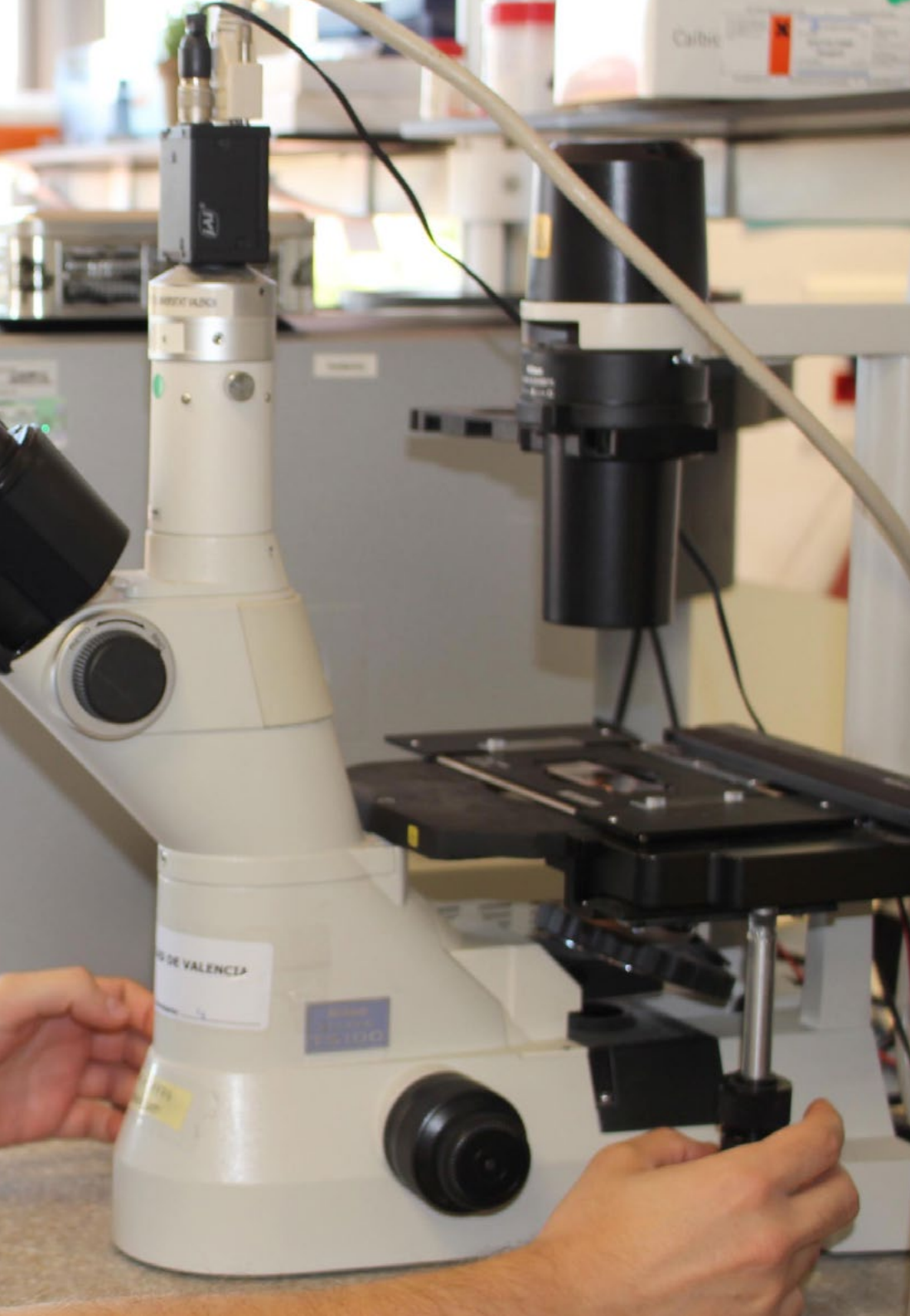


**Module 1.** Gastrohepatology: New Paths Opening the Door to Innovation

- 1.1. Chronobiology and Digestive Physiopathology
- 1.2. Epigenetics and Pediatric Gastroenterology
- 1.3. The Role of Intestinal Microbiota in Childhood Health and Illness
- 1.4. Study of the Intestinal Microbiota Probiotic Therapy in Pediatrics
- 1.5. Diet and Microbiota Impact on Health
- 1.6. Obesity and Digestive System Molecular, Genetic and Microbiological Approach to a Current Epidemic
- 1.7. Advances in Diagnostic Instruments Narrow-Band Endoscopy and Fluorescence Endoscopy Chromoendoscopy, Confocal Endoscopy and 360° Vision
- 1.8. Telemedicine Applications in the Education and Monitoring of Patients With Digestive Pathologies Wearables
- 1.9. Social Media and Pediatric Gastroenterology







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*A unique, key, and decisive training experience to boost your professional development”*

05

# Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the ***New England Journal of Medicine*** have considered it to be one of the most effective.



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*Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*



## At TECH we use the Case Method

In a given situation, what would a professional do? Throughout the program students will be presented with multiple clinical symptoms simulated cases based on real patients in which they will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world*



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.





## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.



*Professionals will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning*

At the forefront of world teaching, the Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a high socioeconomic profile and an average age of 43.5 years old.

*Re-learning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All the teaching materials are specifically created for the course, by specialists who teach on the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Re-Testing

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises: so that they can see how they are achieving your goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system named Learning from an Expert strengthens knowledge and recall capacity, and generates confidence when facing difficult decisions in the future.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.





# 06 Certificate

The Postgraduate Certificate in Innovation in Pediatric Gastrohepatology guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Technological University.







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*Successfully complete this program and receive your university qualification without travel or laborious paperwork”*

This **Postgraduate Certificate in Innovation in Pediatric Gastrohepatology** contains the most complete and up-to-date scientific program on the market.

After passing the evaluations, the student will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

This Postgraduate Certificate contributes in a relevant way to the development of continuing education of the professional and provides a high university curricular value to their training. It is 100% valid in all labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Innovation in Pediatric Gastrohepatology**

ECTS: **6**

Official N° of Hours: **150 hours**



\*Apostille Convention. In the event that the student wishes to have their paper certificate stamped with a Hague Apostille, TECH EDUCATION will make the necessary arrangements at an additional cost.

health future  
confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
online treatment  
development languages  
virtual classroom



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Innovation in

Pediatric

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- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

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